



MARYLAND DEPARTMENT OF THE ENVIRONMENT

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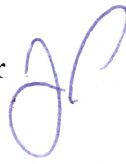
Shari T. Wilson
Secretary

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Deputy Secretary

MEMORANDUM

TO: Manufacturers and Vendors of Best Available Technologies (BAT)
Approved for Use Under the Bay Restoration Fund (BRF) and other
Interested Parties

FROM: Jay Prager, Deputy Program Manager
Wastewater Permits Program 

DATE: June 5, 2007

SUBJECT: Operation and Maintenance of BAT Systems Included in the Initial
Purchase

As part of approval for participation as a grant eligible BAT in the BRF, manufacturers and vendors have been notified that a five-year service operation and maintenance contract must be included in the original purchase price. This is to include a limited warranty. The purpose of this memorandum is to provide clarification as to what must be included as part of the five-year service policy and limited warranty. The following items detail what is to be included in the five-year service contract and limited warranty.

- The manufacturer shall warrant all components of the treatment system financed through the Bay Restoration Fund to be free of defects in material and workmanship for five years from the date of purchase. The manufacturer may fulfill the terms of the warranty by repairing or replacing any components that show evidence of defect.
- The property owner shall be provided with an owner's manual that includes a description of the service policy and warrantee.
- A five-year service policy shall be provided to the property owner through the manufacturer or manufacturer designee and be included in the initial purchase price.
- To provide service on manufacturer's units, a service provider must be certified by the manufacturer.

- The manufacturer is responsible for certifying that service providers have adequate education and training to properly service the manufacturer's units.
- It is the manufacturer's responsibility to revoke certification of any service provider that is not performing consistent with manufacturer's recommendations.
- Service visits must be performed at least at the frequency necessary to ensure that the system performs to the BAT approving standard. Unless stated otherwise, the approving standard is total nitrogen of 20 mg/l or less or at least 50 percent reduction in total nitrogen.
- Service visits should occur at a minimum of once per year and include inspection, adjustment and service of electrical, mechanical and other components of the system as deemed necessary by the manufacturer.
- Service visits should include observations of effluent quality including an assessment of odor, color, turbidity and scum.
- A report shall be completed and submitted to MDE after each service visit. The report shall include any condition that requires further attention and any corrective action that took place during the service visit.
- The property owner and MDE should be notified about any condition that could not be remedied at the time of inspection including an estimated date of correction.
- The service contract does not include the actual pumping and disposing of residual solids. The service provider shall notify the property owner of the necessary residual pump-out frequency.
- The manufacturer or designee shall make available for purchase, to the property owner, an extended service policy.
- Emergency service shall be available within 48 hours of a request.